

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	41	(releas\$3 with resource with table with reserv\$5)	US-PGPUB; USPAT	OR	ON	2007/06/29 21:55
L2	158	((de-allocat\$3 free\$3 deallocat\$3 releas\$3) with resource with lock\$3 unlock\$3) with (lock near2 table)	US-PGPUB; USPAT	OR	ON	2007/06/29 21:55
L3	388	(lock\$3 adj2 table) with (de-allocat\$3 deallocat\$3 releas\$3 free\$3)	US-PGPUB; USPAT	OR	ON	2007/06/29 21:56
L4	0	1 and 2 and 3	US-PGPUB; USPAT	OR	ON	2007/06/29 21:55
L5	48	2 and 3	US-PGPUB; USPAT	OR	ON	2007/06/29 21:56
L6	1468	(707/206 718/107).ccls.	US-PGPUB; USPAT	OR	ON	2007/06/29 21:56
L7	1	5 and 6	US-PGPUB; USPAT	OR	ON	2007/06/29 21:56
L8	0	((releas\$3 near3 resource) and reserv\$5 and (search query) and SQL and database and definition and table and register\$3 and (disconnect\$3 terminat\$3 end\$3) and type and match\$3).clm.	US-PGPUB; USPAT	OR	ON	2007/06/29 21:59
L9	0	((releas\$3 near3 resource) and reserv\$5 and (search query) and SQL and database and definition and table and register\$3 and (disconnect\$3 terminat\$3 end\$3) and type and match\$3).clm. and (707/206 718/107).ccls.	US-PGPUB; USPAT	OR	ON	2007/06/29 21:59
S141	18	((707/206 718/107).ccls. and JAVA) and SQL	US-PGPUB; USPAT	OR	ON	2007/06/29 21:49
S142	104	((((((database near2 manage\$4) and ((garbage near2 collect\$3) (((detect\$3 and free\$3) lock\$3 reserv\$3 free\$3)with resource))) and (commit rollback) and (JAVA)) and ((transaction object)with JAVA)) and (stor\$3 with (relational dictionary catalog\$3 language type))) and ((free\$ releas\$3 de?allocat\$3 de-allocat3) with resource)) and (SQL near3 (query request))	US-PGPUB; USPAT	OR	ON	2007/06/29 21:49
S143	1468	(707/206 718/107).ccls.	US-PGPUB; USPAT	OR	ON	2007/06/29 21:42
S144	1	S142 and S143	US-PGPUB; USPAT	OR	ON	2007/06/29 21:46
S145	41	(releas\$3 with resource with table with reserv\$5)	US-PGPUB; USPAT	OR	ON	2007/06/29 21:56
S146	158	((de-allocat\$3 free\$3 deallocat\$3 releas\$3) with resource with lock\$3 unlock\$3) with (lock near2 table)	US-PGPUB; USPAT	OR	ON	2007/06/29 21:46
S147	388	(lock\$3 adj2 table) with (de-allocat\$3 deallocat\$3 releas\$3 free\$3)	US-PGPUB; USPAT	OR	ON	2007/06/29 21:46
S148	13	((lock\$3 near2 table) with ((de-allocat\$3 deallocat\$3 releas\$3 free\$3) near2 resource))	US-PGPUB; USPAT	OR	ON	2007/06/29 21:48

EAST Search History

S149	57	(707/206 718/107).ccls. and SQL	US-PGPUB; USPAT	OR	ON	2007/06/2 9 21:46
S150	57	S149 and S143	US-PGPUB; USPAT	OR	ON	2007/06/2 9 21:52



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Quick Tips

- Enter your search terms in lower case with a space between the terms.

sales offices

You can also enter a full question or concept in plain language.

Where are the sales offices?

- Capitalize proper nouns to search for specific people, places, or products.

John Colter, Netscape Navigator

- Enclose a phrase in double quotes to search for that exact phrase.

"museum of natural history" "museum of modern art"

- Narrow your searches by using a **+** if a search term must appear on a page.

museum +art

- Exclude pages by using a **-** if a search term must not appear on a page.

museum -Paris

Combine these techniques to create a specific search query. The better your description of the information you want, the more relevant your results will be.

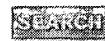
museum +"natural history" dinosaur -Chicago

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Relevance scale



1 [The relational model for database management: version 2](#)

E. F. Codd
January 1990 Book

Publisher: Addison-Wesley Longman Publishing Co., Inc.

Full text available: [pdf\(28.61 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

From the Preface (See Front Matter for full Preface)

An important adjunct to precision is a sound theoretical foundation. The relational model is solidly based on two parts of mathematics: firstorder predicate logic and the theory of relations. This book, however, does not dwell on the theoretical foundations, but rather on all the features of the relational model that I now perceive as important for database users, and therefore for DBMS vendors. My perceptions result from 20 y ...



2 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research CASCON '97**

Publisher: IBM Press

Full text available: [pdf\(4.21 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...



3 [IS '97: model curriculum and guidelines for undergraduate degree programs in information systems](#)

Gordon B. Davis, John T. Gorgone, J. Daniel Couger, David L. Feinstein, Herbert E. Longenecker

December 1996 **ACM SIGMIS Database , Guidelines for undergraduate degree programs on Model curriculum and guidelines for undergraduate degree programs in information systems IS '97**, Volume 28 Issue 1



Publisher: ACM PressFull text available:  pdf(7.24 MB)Additional Information: [full citation](#), [citations](#)**4 The state of the art in distributed query processing**  Donald KossmannDecember 2000 **ACM Computing Surveys (CSUR)**, Volume 32 Issue 4**Publisher:** ACM PressFull text available:  pdf(455.39 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Distributed data processing is becoming a reality. Businesses want to do it for many reasons, and they often must do it in order to stay competitive. While much of the infrastructure for distributed data processing is already there (e.g., modern network technology), a number of issues make distributed data processing still a complex undertaking: (1) distributed systems can become very large, involving thousands of heterogeneous sites including PCs and mainframe server machines; (2) the stat ...

Keywords: caching, client-server databases, database application systems, dissemination-based information systems, economic models for query processing, middleware, multitier architectures, query execution, query optimization, replication, wrappers

5 WSQ/DSQ: a practical approach for combined querying of databases and the Web  Roy Goldman, Jennifer WidomMay 2000 **ACM SIGMOD Record, Proceedings of the 2000 ACM SIGMOD International conference on Management of data SIGMOD '00**, Volume 29 Issue 2**Publisher:** ACM PressFull text available:  pdf(223.65 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We present WSQ/DSQ (pronounced "wisk-disk"), a new approach for combining the query facilities of traditional databases with existing search engines on the Web. WSQ, for *Web-Supported (Database) Queries*, leverages results from Web searches to enhance SQL queries over a relational database. DSQ, for *Database-Supported (Web) Queries*, uses information stored in the database to enhance and explain Web searches. This paper focuses primarily on WSQ, describing a simple, lo ...

6 Parallelism in relational data base systems: architectural issues and design  approaches

Hamid Pirahesh, C. Mohan, Josephine Cheng, T. S. Liu, Pat Selinger

July 1990 **Proceedings of the second international symposium on Databases in parallel and distributed systems DPDS '90****Publisher:** ACM PressFull text available:  pdf(2.50 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

With current systems, some important complex queries may take days to complete because of: (1) the volume of data to be processed, (2) limited aggregate resources. Introducing parallelism addresses the first problem. Cheaper, but powerful computing resources solve the second problem. According to a survey by Brodie,¹ only 10% of computerized data is in data bases. This is an argument for both more variety and volume of data to be moved into data base systems. We conject ...

7**Mariposa: a wide-area distributed database system** 

Michael Stonebraker, Paul M. Aoki, Witold Litwin, Avi Pfeffer, Adam Sah, Jeff Sidell, Carl Staelin, Andrew Yu

January 1996 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 5 Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available:  pdf(172.75 KB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

The requirements of wide-area distributed database systems differ dramatically from those of local-area network systems. In a wide-area network (WAN) configuration, individual sites usually report to different system administrators, have different access and charging algorithms, install site-specific data type extensions, and have different constraints on servicing remote requests. Typical of the last point are production transaction environments, which are fully engaged during normal business h ...

Keywords: Autonomy, Databases, Distributed systems, Economic site, Name service, Wide-area network

8 NSF workshop on industrial/academic cooperation in database systems 

 Mike Carey, Len Seligman

March 1999 **ACM SIGMOD Record**, Volume 28 Issue 1

Publisher: ACM Press

Full text available:  pdf(1.96 MB) Additional Information: [full citation](#), [index terms](#)

9 Special issue on prototypes of deductive database systems: The aditi deductive database system 

Jayen Vaghani, Kotagiri Ramamohanarao, David B. Kemp, Zoltan Somogyi, Peter J. Stuckey, Tim S. Leask, James Harland

April 1994 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 3 Issue 2

Publisher: Springer-Verlag New York, Inc.

Full text available:  pdf(2.67 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Deductive databases generalize relational databases by providing support for recursive views and non-atomic data. Aditi is a deductive system based on the client-server model; it is inherently multi-user and capable of exploiting parallelism on shared-memory multiprocessors. The back-end uses relational technology for efficiency in the management of disk-based data and uses optimization algorithms especially developed for the bottom-up evaluation of logical queries involving recursion. The front ...

Keywords: implementation, logic, multi-user, parallelism, relational database

10 Final report of the ANSI/X3/SPARC DBS-SG relational database task group 

 July 1982 **ACM SIGMOD Record**, Volume 12 Issue 4

Publisher: ACM Press

Full text available:  pdf(4.69 MB) Additional Information: [full citation](#), [citations](#)

11 The Z39.50 information retrieval protocol: an overview and status report 

 Clifford A. Lynch

January 1991 **ACM SIGCOMM Computer Communication Review**, Volume 21 Issue 1

Publisher: ACM Press

Full text available:  pdf(989.73 KB) Additional Information: [full citation](#), [citations](#), [index terms](#)

12 Data access for the masses through OLE DB 

 José A. Blakeley

June 1996 **ACM SIGMOD Record , Proceedings of the 1996 ACM SIGMOD international conference on Management of data SIGMOD '96**, Volume 25 Issue 2

Publisher: ACM Press

Full text available:  pdf(1.24 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper presents an overview of OLE DB, a set of interfaces being developed at Microsoft whose goal is to enable applications to have uniform access to data stored in DBMS and non-DBMS information containers. Applications will be able to take advantage of the benefits of database technology without having to transfer data from its place of origin to a DBMS. Our approach consists of defining an open, extensible Collection of interfaces that factor and encapsulate orthogonal, reusable portions ...

13 The implementation and performance of compressed databases 

 Till Westmann, Donald Kossmann, Sven Helmer, Guido Moerkotte

September 2000 **ACM SIGMOD Record**, Volume 29 Issue 3

Publisher: ACM Press

Full text available:  pdf(129.75 KB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

In this paper, we show how compression can be integrated into a relational database system. Specifically, we describe how the storage manager, the query execution engine, and the query optimizer of a database system can be extended to deal with compressed data. Our main result is that compression can significantly improve the response time of queries if very *light-weight* compression techniques are used. We will present such light-weight compression techniques and give the results of runni ...

14 DLFM: a transactional resource manager 

 Hui-I Hsiao, Inderpal Narang

May 2000 **ACM SIGMOD Record , Proceedings of the 2000 ACM SIGMOD international conference on Management of data SIGMOD '00**, Volume 29 Issue 2

Publisher: ACM Press

Full text available:  pdf(124.99 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The DataLinks technology developed at IBM Almaden Research Center and now available in DB2 UDB 5.2 introduces a new data type called DATALINK for a database to reference and manage files stored external to the database. An external file is put under a database control by "linking" the file to the database. Control to a file can also be removed by "unlinking" it. The technology provides transactional semantics with respect to linking or unlinking the file when DATALINK ...

15 Manufacturing resource planning on a PC local area network 

 H. Clark Kee, Roy L. Post

May 1986 **ACM SIGAPL APL Quote Quad , Proceedings of the international conference on APL APL '86**, Volume 16 Issue 4

Publisher: ACM Press

Full text available:  pdf(1.47 MB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

This paper details a large APL programming project of 12 man years. An integrated software system structured on the principles of MRP (manufacturing resource planning) was implemented by a Bristol-Myers in house team for use in a new manufacturing facility. The system applies off-the-shelf technology in innovative ways, using STSC APL*PLUS/PC

as the only programming language, to build a very sophisticated application on IBM/PCs fully sharing data in a secure environment via the N ...

16 Sequoia 2000 metadata schema for satellite images

 Jean T. Anderson, Michael Stonebraker
December 1994 **ACM SIGMOD Record**, Volume 23 Issue 4

Publisher: ACM Press

Full text available:  pdf(674.07 KB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

Sequoia 2000 schema development is based on emerging geospatial standards to accelerate development and facilitate data exchange. This paper focuses on the metadata schema for digital satellite images. We examine how satellite metadata are defined, used, and maintained. We discuss the geospatial standards we are using, and describe a SQL prototype that is based on the Spatial Archive and Interchange Format (SAIF) standard and implemented in the Illustra object-relational database.

17 A novel application development environment for large-scale scientific computations

 X. Shen, W. Liao, A. Choudhary, G. Memik, M. Kandemir, S. More, G. Thiruvathukal, A. Singh '00
May 2000 **Proceedings of the 14th international conference on Supercomputing ICS**

Publisher: ACM Press

Full text available:  pdf(1.15 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Our results demonstrate that our novel application development environment provides both ease-of-use and high performance for large-scale, I/O-intensive scientific applications.

18 Influencing database language standards

 Leonard Gallagher
March 1994 **ACM SIGMOD Record**, Volume 23 Issue 1

Publisher: ACM Press

Full text available:  pdf(742.20 KB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

In this first article of the regular column on data base standardization activities, I give an overview of topic areas under active development in the formal national and international standardization bodies. I solicit contributions on these active topics so that standardizers and researchers can cooperate in the near term, before irreversible decisions are made, to produce the most useful and highest quality database standards.

19 The design and implementation of the redland RDF application framework

 David Beckett
April 2001 **Proceedings of the 10th international conference on World Wide Web WWW '01**

Publisher: ACM Press

Full text available:  pdf(171.61 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: RDF, application framework, metadata

20 Automating user request processing with EARP

 David A. Dougherty, Paul R. Taylor, Don Michaels
September 1996 **Proceedings of the 24th annual ACM SIGUCCS conference on User services SIGUCCS '96**

Publisher: ACM Press

Full text available:  [pdf\(558.04 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

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<and> ( query<in>metadata ) )) <and> (pyr >= 1950 <and> pyr <= 2001)
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[E Prul](#)

Optimization of commit procedures by utilizing a two-phase commit procedure only when necessary - all 2 versions »

[M Vendryes](#)

A Coleman, JA Henry, EA Prul, RL Stone, ME ... - US Patent 5,261,089, 1993 - Google Patents

[A Coleman](#)

... the registrations are made, before deciding what **type** of commit procedure ... Management

[J Henry](#)

In The R* Distributed Database Management System ... PFA's **REGISTER WITH SPM** ...

[R Stone](#)

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Coordinated handling of error codes and information describing errors in a commit procedure - all 3 versions »

EA Prul, ME Vendryes, DO Wood, M Zielenski - US Patent 5,165,031, 1992 - Google Patents

... manager of a first **type** and a second resource manager of a second **type**. ... System", by C. Mohan et al., ACM Trans. on Database Systems, vol ... PFA's **REGISTER WITH SPM** ...

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Distributed electronic billing system with gateway interfacing biller and service center - all 2 versions »

DG Heindel, TA Buitenhuis, B Speelpenning, BA Saliba, ... - US Patent 6,304,857, 2001 - Google Patents

... Cl. 7 G06F 17/00 (52) US Cl 705/34 (58) Field of Search 707/506; 705/34 ... Zabback et al., "Office Documents on a Database Kernel-Filing, Retrieval, and Archiving ...

Cited by 10 - Related Articles - Web Search

Recovery facility for incomplete sync points for distributed application

MK Ainsworth, RB Bennett, BAM Maslak, JM Showalter ... - US Patent 5,319,774, 1994 - freepatentsonline.com

... prior art system control program, VM/SP **Release 6**, also ... a DB/2 (CICS/MVS operating system) or a **SQL/DS** (CICS ... via a conversation which is one **type** of protected ...

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